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ABSTRACT OF THE DISCLOSURE

10 A method and an apparatus for transmitting data in a  
linear-type or ring-type network structured by a  
plurality of nodes and both-way transmission lines each  
connecting between adjacent nodes includes that each  
node operates as a left TE, a right TE, or an IE. The  
left and right TEs prepare token packets each including  
15 a transmission right and packet trailers each including  
data packet storage area. The left TE transmits the  
packet trailers on a right direction line of the both-  
way transmission line.